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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/722,015	11/25/2003	Timothy P. Mate	341148004US2	7001
25096 7590 04/19/2007 PERKINS COIE LLP PATENT-SEA			EXAMINER	
			ROZANSKI, MICHAEL T	
P.O. BOX 124' SEATTLE, WA			ART UNIT	PAPER NUMBER
,			3768	
SHORTENED STATUTORY PERIOD OF RESPONSE		MAIL DATE	DELIVERY MODE	
3 MONTHS		04/19/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		Application No.	Applicant(s)				
		10/722,015	MATE ET AL.				
	Office Action Summary	Examiner	Art Unit				
		Michael Rozanski	3768				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS,							
WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status		,					
1)⊠	Responsive to communication(s) filed on 29 M	arch 2007.					
· —	This action is FINAL . 2b)⊠ This action is non-final.						
3)							
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims	•					
4) 🖂	4)⊠ Claim(s) <u>1-107</u> is/are pending in the application.						
·	4a) Of the above claim(s) <u>1-97</u> is/are withdrawn from consideration.						
5)□	5) Claim(s) is/are allowed.						
•	Claim(s) <u>98-107</u> is/are rejected.	,					
	Claim(s) is/are objected to.						
8)	Claim(s) are subject to restriction and/o	r election requirement.					
Application Papers							
9) The specification is objected to by the Examiner.							
10)⊠ The drawing(s) filed on <u>25 November 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority (ınder 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received.							
 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
Attachment(s)							
	be of References Cited (PTO-892) be of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail D					
3) 🔯 Infor	mation Disclosure Statement(s) (PTO/SB/08)	5) 🔲 Notice of Informal F					
Paper No(s)/Mail Date <u>8/9/04,5/11/04</u> . 6) Other:							

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DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of claims 98-107 in the reply filed on 3/29/07 is acknowledged.

Double Patenting

2. Claims 98-107 are provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 144-150 of copending Application No. 10/743,531 and over claims 119-130 over copending Application No. 10/721,491. Although the conflicting claims are not identical, they are not patentably distinct from each other because the copending applications '015 and '491 includes a radiation therapy system for treating a target of a patient using a wireless marker implanted in the patient at a site relative to the target with a detector that obtains position data of the marker and a computer coupled to the detector having an operable medium. In addition, the delivery device is configured to automatically move a patient support table according to the offset coordinate.

This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 98-100 and 102-107 are rejected under 35 U.S.C. 102(e) as being anticipated by *Cosman* (US 6,405,072).

Claims 98-100 and 102-107: Cosman discloses a radiation delivery system having a radiation source 16, a patient support F, and drive system 10 (col. 4, lines 1-20). In addition, wireless markers 20, 21, 23, and 24 that may be implanted in a patient are excitable by the source and are detected by a plurality of sensors 17-19 (col. 4, lines 13-39). The data processor 34 receives information from the sensors related to the actual position of the marker, determines the actual location of the treatment target based on the position information of the marker, computes a displacement between the target and beam isocenter in three dimensions in real-time based on the position of the treatment target, and automatically controls the radiation beam and/or moves the patient support based on the computed displacement between the target and beam isocenter (col. 4, lines 48-61; col. 5, lines 8-45; col 7, lines 1-11).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 101 is rejected under 35 U.S.C. 103(a) as being unpatentable over **Cosman** in view of **Vilsmeier et al** (US 6,611,700).

Claim 101: Cosman substantially discloses all features of the current invention, but does not specifically disclose means causing the radiation source to interrupt the radiation beam when the computed displacement is not within an acceptable range. In the same field of endeavor, Vilsmeier et al. teach of interrupting radiation when the signals of the position sensor indicate that the location to be irradiated is outside of an unacceptable range (col. 6, lines 28-31). It would have been obvious to one with ordinary skill in the art at the time the invention was made to have incorporated the teachings Vilsmeier et al. in order to prohibit healthy tissue being irradiated or destroyed (col. 1, lines 50-54).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Rozanski whose telephone number is 571-272-1648. The examiner can normally be reached on Monday - Friday, 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eleni Mantis-Mercader can be reached on 571-272-4740. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MR MR

ELEN MANTIS MERENDER

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